Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for intelligent audio output control, the method comprising:

periodically receiving values for each input parameter of a set of input parameters, wherein each input parameter affects environmental noise;

receiving stored historical data, wherein the stored historical data comprises stored values for each input parameter of the set of input parameters and a <u>plurality of</u> stored audio output parameter [[value]] <u>values</u> associated with the stored values for each input parameter of the set of input parameters, wherein <u>each stored audio output parameter value of</u> the <u>plurality of</u> stored audio output parameter <u>values</u> is set by a <u>different</u> user <u>of a plurality of users</u>, and wherein the stored historical data comprises a plurality of data points, each data point comprising a stored value for each input parameter of the set of input parameters and [[the]] <u>each</u> audio output parameter value <u>of the plurality of stored audio output parameter values</u> associated with the stored [[value]] <u>values</u> for each input parameter of the set of input parameters;

<u>identifying a user of the plurality of users to form an identified user;</u>

responsive to a value for one or more of the periodically received values for each input parameter changing, predicting a value for an audio output parameter of an audio system <u>for the identified user</u> based on the received values for each input parameter of the set of input parameters and <u>historical data of</u> the stored historical data <u>corresponding to the identified user, wherein the historical data corresponding to the identified user comprises a stored audio output parameter value of the plurality of stored audio output parameter values set by the identified user</u>; and

adjusting the audio output parameter for the audio system using the predicted value for the audio output parameter <u>for the identified user</u>, wherein predicting a value for an audio output parameter comprises one of receiving the plurality of data points and performing statistical analysis on the plurality of data points to predict the value for the audio output parameter <u>for the</u>

identified user; and identifying a closest data point within the plurality of data points and setting the predicted value for the audio output parameter for the identified user to an audio output parameter value of the closest data point.

2.   (Previously Presented) The method of claim 1, wherein periodically receiving values for each of a set of input parameters includes periodically receiving values from a plurality of sensors.

3.   (Previously Presented) The method of claim 1, wherein the set of input parameters includes at least one of vehicle speed, whether a vehicle window is open or closed, vehicle interior or exterior noise levels, whether a convertible top is up or down, whether a windshield wiper is in use, and windshield wiper level.

4.   (Previously Presented) The method of claim 1, wherein the set of input parameters includes audio type, wherein the audio type comprises one of a song, a song type, talking, and a commercial.

5.   (Canceled)

6.   (Previously Presented) The method of claim 1, wherein the statistical analysis includes at least one of performing an average, performing linear regression analysis, performing multiple regression analysis, performing linear extrapolation, performing curve fitting, and removing outliers.

7-9.   (Canceled)

10.   (Original) The method of claim 1, wherein the audio output parameter is one of volume level, balance, fade, bass, treble, and equalizer settings.

11-21.   (Canceled)

22.   (Previously Presented) The method of claim 1, wherein periodically receiving values for each input parameter of a set of input parameters comprises receiving the values for each input parameter of the set of input parameters every second.

23.   (Canceled)

24.   (New) The method of claim 1, wherein the plurality of users are a plurality of drivers of a vehicle, and wherein identifying a user of the plurality of users comprises identifying the user by one of a keychain remote, a seat position preset, or a voice identification.